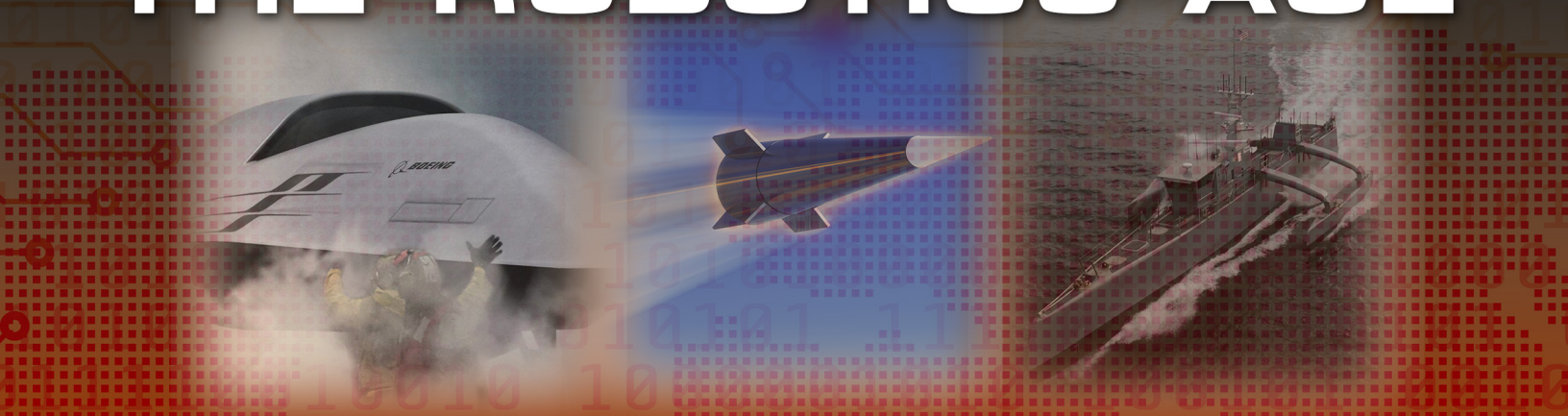
Office of Naval Research
Science & Technology

Distinguished Lecture Series

NAVAL WARFARE IN THE ROBOTICS AGE



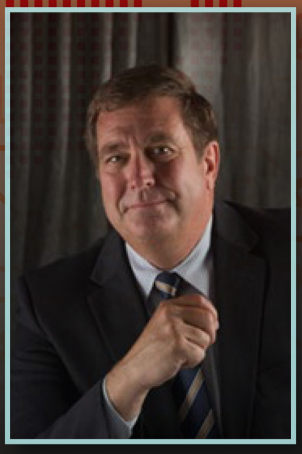
Presented by:

Captain Jeff Kline, USN (Ret)

Professor of Practice, Operations Research
Naval Postgraduate School • Monterey, California

MAY 21
2019
9–10:15
IN THE JUNKER CENTER

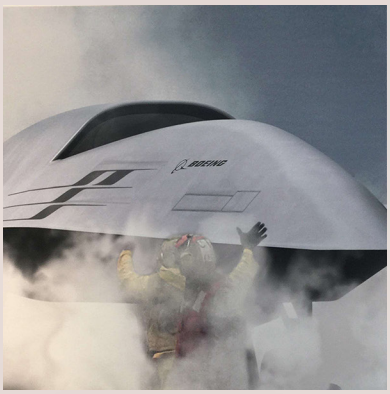
PLEASE NOTE
NEW TIME!

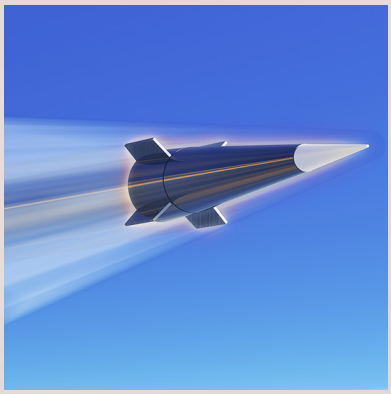


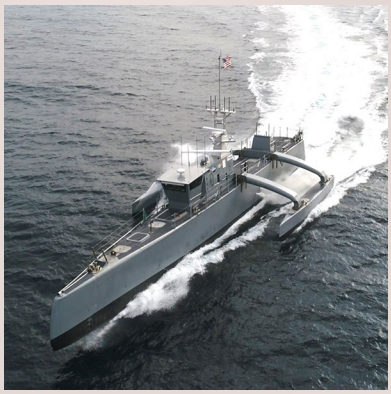
Office of Naval Research
875 N. Randolph St., Arlington, Virginia
Bobby Junker Executive Conference Center, 14th Floor

Naval Warfare in the Robotics Age

Naval tactics are formed by the technologies they employ. The “ages” of naval tactics can be measured by the introduction of new weapons or means of propulsion to warfare – galley, ram, sail, gun, steam, aircraft, nuclear power, and missile – all changed the way navies fought in their time. This talk will describe the potential impact of robotics, autonomy, hypersonic speed and computational power on future maritime conflict, and the need to develop new methods of either delivering – or defending against – weapon systems which employ them. It will discuss the powerful advantage of offensive tactics employing these technologies in sea denial roles and the challenges to defend against them to obtain sea control.







ABOUT
Professor Jeff Kline, CAPT, USN (Ret)

Jeff Kline is a retired Navy Captain and a Professor of Practice in Military Operations Research at the Naval Postgraduate School. He holds the OPNAV N91 Chair of Systems Engineering Analysis. Jeff teaches Joint Campaign Analysis, executive risk assessment, systems analysis and contributes to maritime security education programs offered at NPS. Jeff supports applied analytical research in maritime operations and security, naval tactics and concept development, and future force composition studies. He has served on the Chief of Naval Operations Fleet Design Advisory Board and on several Naval Study Board Committees. His awards include the Superior Civilian Service Medal, the Institute for Operations Research and Management Science (INFORMS) Award for Teaching of OR Practice, the American Institute of Aeronautics and Astronautics Homeland Security Award, the Hamming Award for interdisciplinary research, the Wayne E. Meyers Award for Excellence in Systems Engineering Research, and the Northrop Grumman Award for Excellence in Systems Engineering.